VOL. 580, NOS. 1+2 JOURNAL OF CHROMATOGRAPHY SEPTEMBER 16, 1992

(Biomedical Applications, Vol. 118, Nos. 1+2)

CONTENTS

TOXICOLOGICAL AND FORENSIC APPLICATIONS OF CHROMATOGRAPHY

Foreword
by E. J. Cone (Baltimore, MD, USA) and Z. Deyl (Prague, Czechoslovakia) 1

Reviews

Systematic toxicological analysis of drugs and their metabolites by gas chromatography–mass spectrometry
by H. H. Maurer (Homburg/Saar, Germany) 3

Rapid assay of cocaine, opiates and metabolites by gas chromatography–mass spectrometry
by E. J. Cone and W. D. Darwin (Baltimore, MD, USA) 43

Gas chromatographic–mass spectrometric methods of analysis for detection of 11-nor-Δ^9-tetrahydrocannabinol-9-carboxylic acid in biological matrices
by W. E. Bronner (Washington, DC, USA) and A. S. Xu (Phoenix, AZ, USA) 63

Determination of methamphetamine enantiomer ratios in urine by gas chromatography–mass spectrometry
by J. T. Cody (Lackland AFB, TX, USA) 77

Chromatographic and mass spectrometric methods for determination of lysergic acid diethylamide (LSD) and metabolites in body fluids
by C. C. Nelson and R. L. Foltz (Salt Lake City, UT, USA) 97

High-performance liquid chromatographic separation and detection methods for anabolic compounds
by E. H. J. M. Jansen, L. A. van Ginkel, R. H. van den Berg and R. W. Stephany (Bilthoven, Netherlands) 111

Drug detection in hair by chromatographic procedures
by M. R. Moeller (Homburg/Saar, Germany) 125

Chromatographic methods for the determination of toxicants in faeces
by T. M. C. M. de Kok, P. J. Levels, A. van Faassen, M. Hazen, F. ten Hoor and J. C. S. Kleinjans (Maastricht, Netherlands) 135

Chromatographic methods for blood alcohol determination
by F. Tagliaro and G. Lubli (Verona, Italy), S. Ghielmi (Brescia, Italy) and D. Franchi and M. Marigo (Verona, Italy) 161

Chromatographic separation of marine organic pollutants
by H. Hühnerfuss and R. Kallenborn (Hamburg, Germany) 191

Strategies for the identification of non-polar toxicants in aqueous environmental samples using toxicity-based fractionation and gas chromatography–mass spectrometry
by M. Lukasewycz and E. Durhan (Duluth, MN, USA) 215

Determination of aromatic hydrocarbons and their metabolites in human blood and urine
by J. Angerer and B. Hörsch (Erlangen, Germany) 229

Methods for the analysis for persistent chlorinated hydrocarbons in tissues
by R. C. Hale and J. Greaves (Gloucester Point, VA, USA) 257

Methods for chromatographic determination of amanitins and related toxins in biological samples
by R. Dorizzi (Legnago, Italy), D. Michelot (Paris, France), F. Tagliaro (Verona, Italy) and S. Ghielmi (Brescia, Italy) 279

^{32}P-Postlabelling and mass spectrometric methods for analysis of bulky, polyaromatic carcinogen–DNA adducts in humans
by G. Talaska and J. H. Roh (Cincinnati, OH, USA) and T. Getek (Columbus, OH, USA) 293

Detection of the enzymatic activity of cytochrome P-450 enzymes by high-performance liquid chromatography
by E. H. J. M. Jansen and P. de Fluiter (Bilthoven, Netherlands) 325

Regular Papers

Gas chromatographic analysis of nicotine and cotinine in hair
by P. Kintz (Strasbourg, France) 347

Electrophoretic analysis of snake venoms
by C. E. C.-Mendoza (Abbotsfort, Canada) and T. Bhatti and A. R. Bhatti (Medicine Hat, Canada) 355

Author Index 365

List of Compounds Chromatographed 367